

FIG. 2

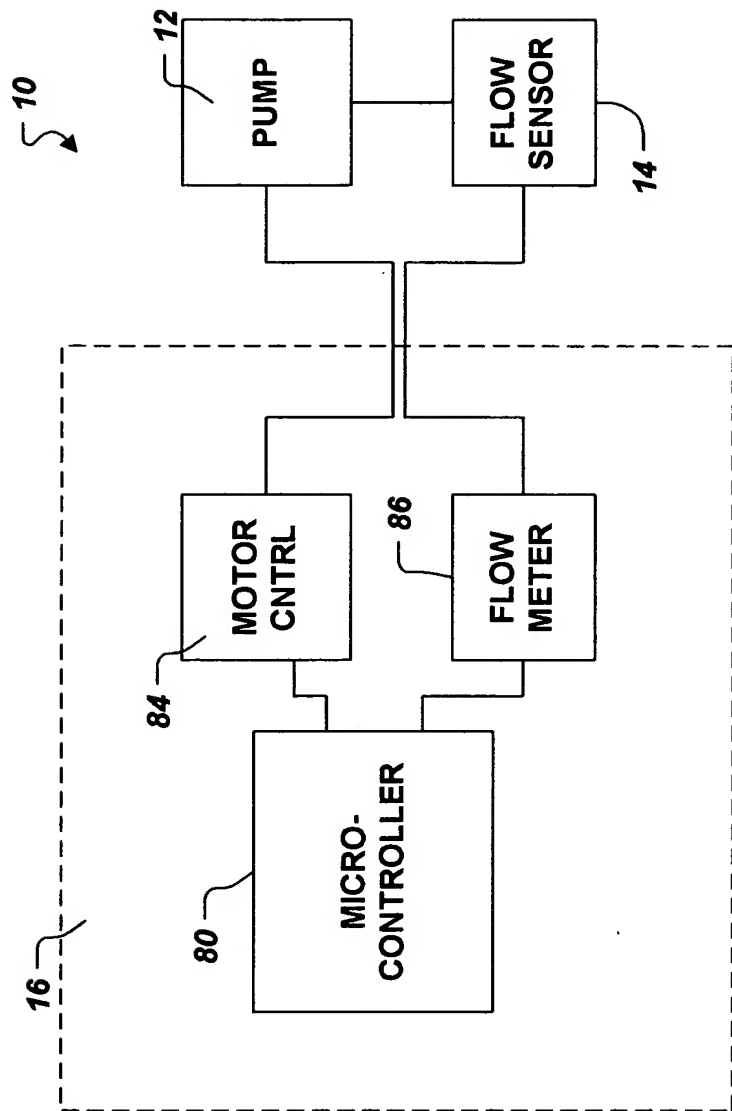


FIG. 3

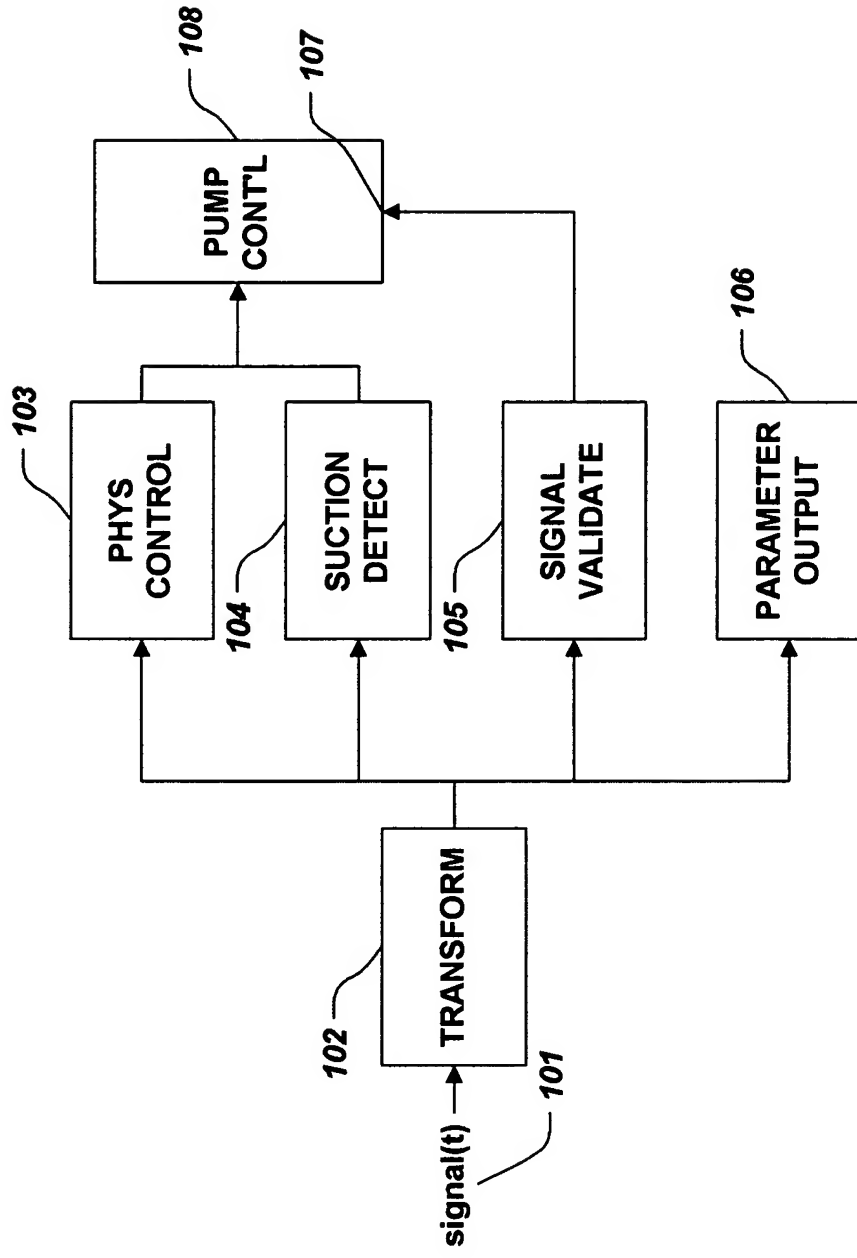


FIG. 4

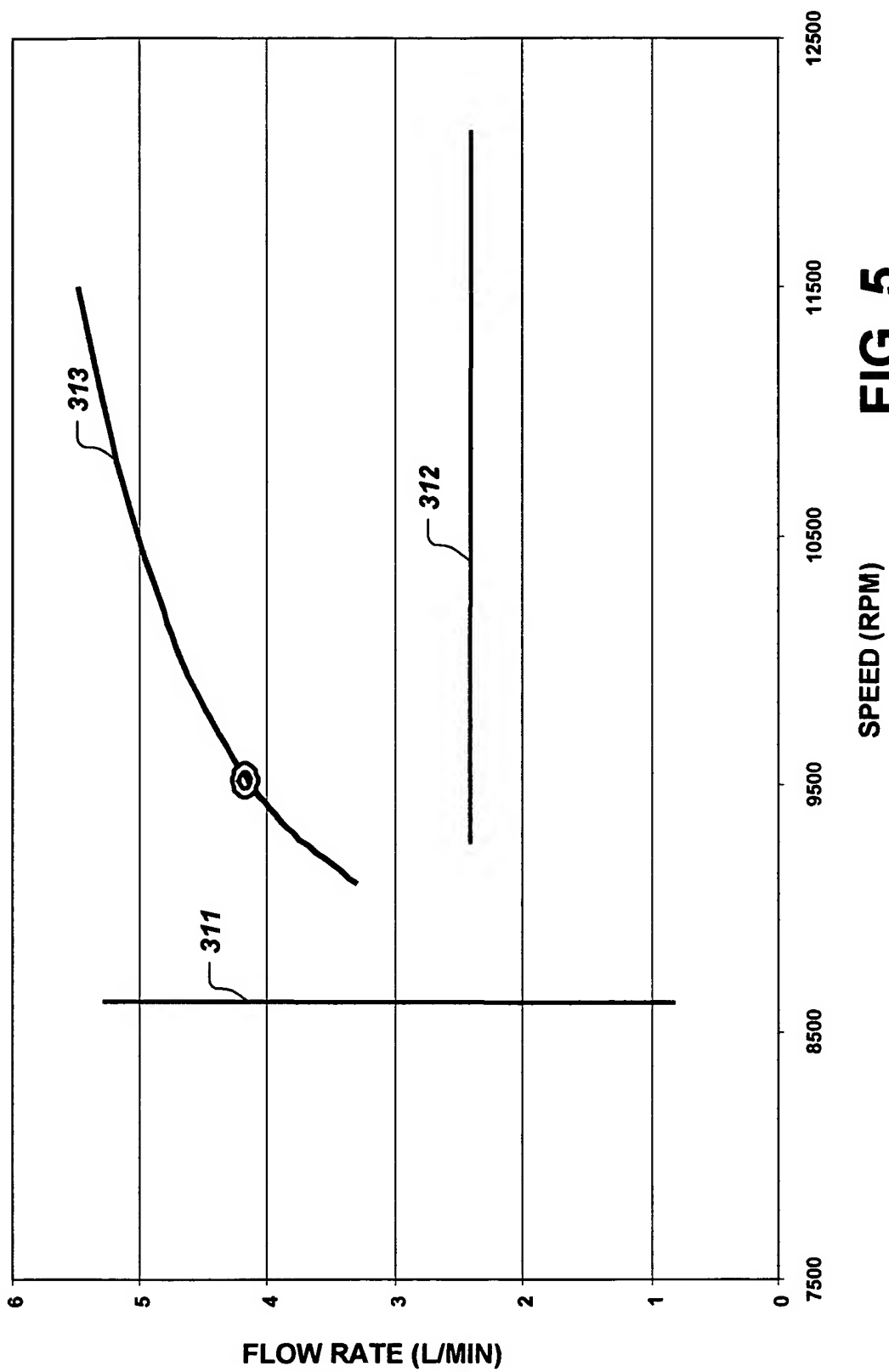


FIG. 5

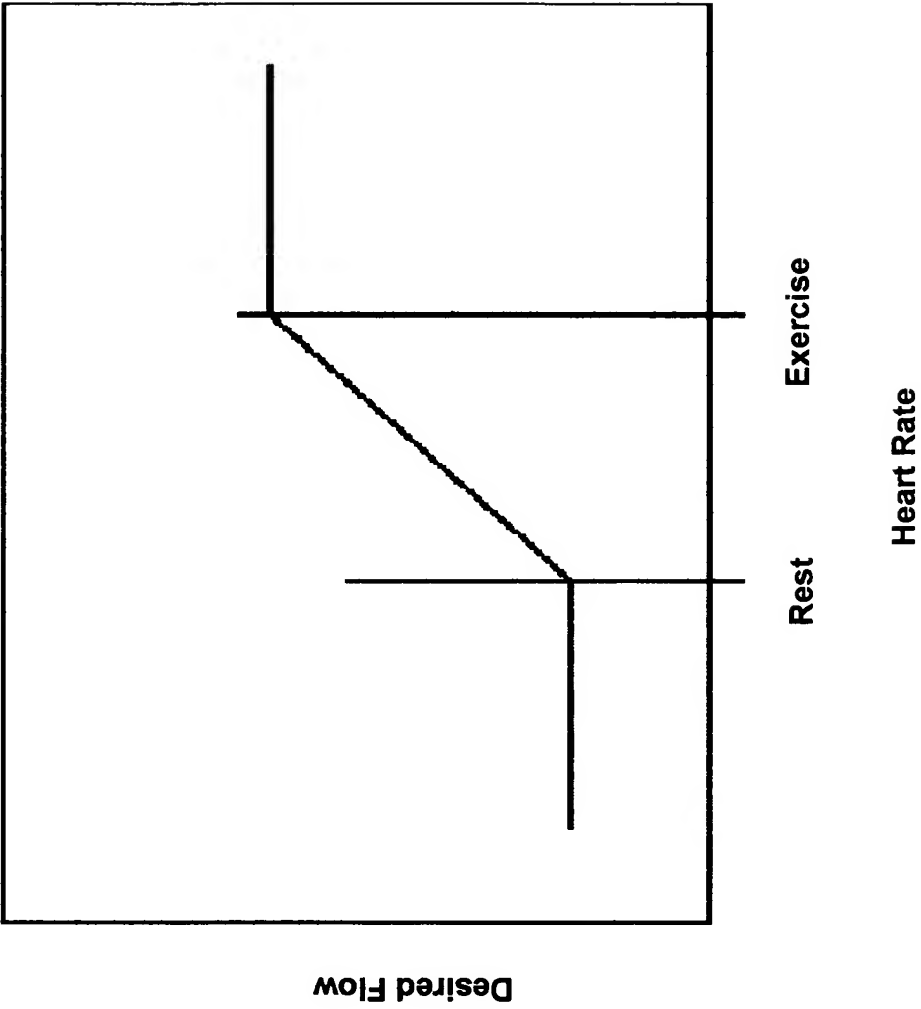


FIG. 6

FIG. 7A CONSTANT SPEED

Control	Speed limit/alarm		Power	Flow		Suction	Suction Detection
Variable	Min	Max	Max	Min	Max	Detection	Response
enter Speed	7.5k	n/a	15W	enter min	n/a	<u>Enabled/Disabled</u>	<u>Enabled/Disabled</u>

FIG. 7B CONSTANT FLOW

Control	Speed limit/alarm		Power	Flow		Suction	Suction Detection
Variable	Min	Max	Max	Min	Max	Detection	Response
enter Flow	8.0k	11.0k	8+Flow * 1.5	Flow * .75	n/a	Enabled	Enabled

FIG. 7C CONSTANT WAVINESS

Control	Speed limit/alarm		Power	Flow		Suction	Suction Detection
Variable	Min	Max	Max	Min	Max	Detection	Response
P2P = 4	8.0k	11.0k	8+Flow * 1.5	enter min	n/a	Enabled	Enabled

FIG. 7D MAXIMIZE FLOW - WAVINESS (P2P)

Control	Speed limit/alarm		Power	Flow		Suction	Allow Flow
Variable	Min	Max	Max	Min	Max	Detection/Response	Below Baseline**
P2P = 2***	9.0k	12.0k	18	imported	n/a	Enabled/Enabled	Enabled/Disabled

FIG. 7E MAXIMIZE FLOW - dQ/dN (DIMINISHING RETURNS)

Control	Speed limit/alarm		Power	Flow		Suction	Allow Flow
Variable	Min	Max	Max	Min	Max	Detection/Response	Below Baseline**
dQ/dN	9.0k	12.0k	18	imported	n/a	Enabled/Enabled	Enabled/Disabled

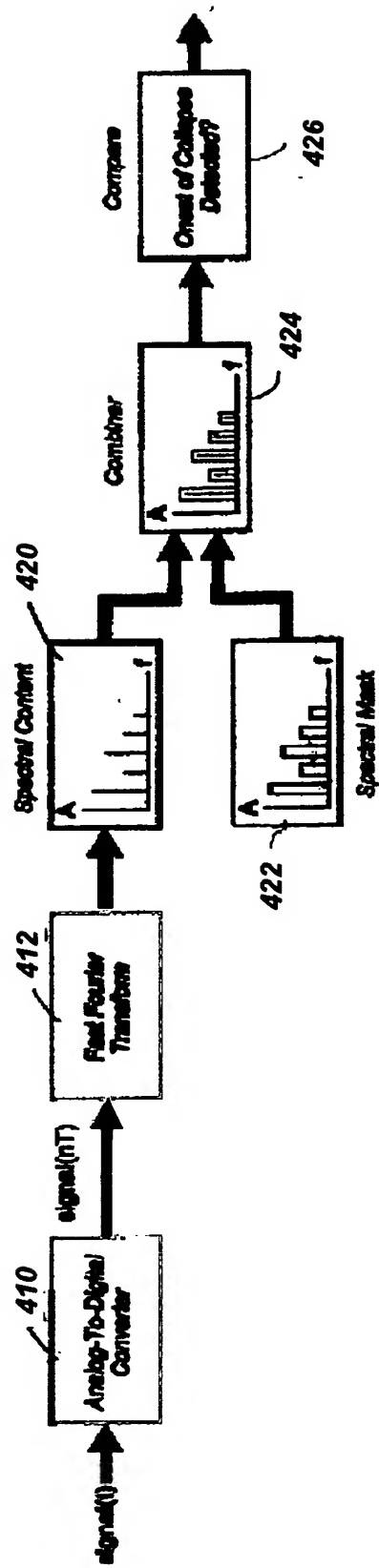


FIG. 8

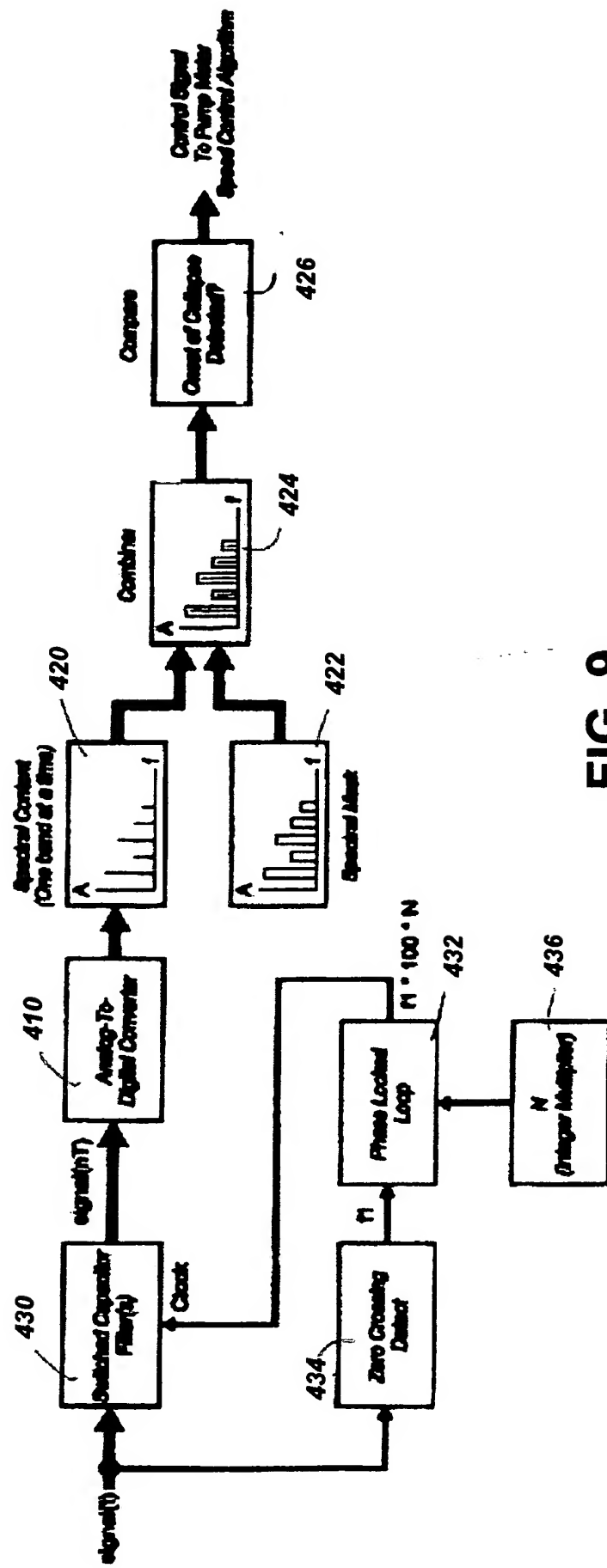


FIG. 9

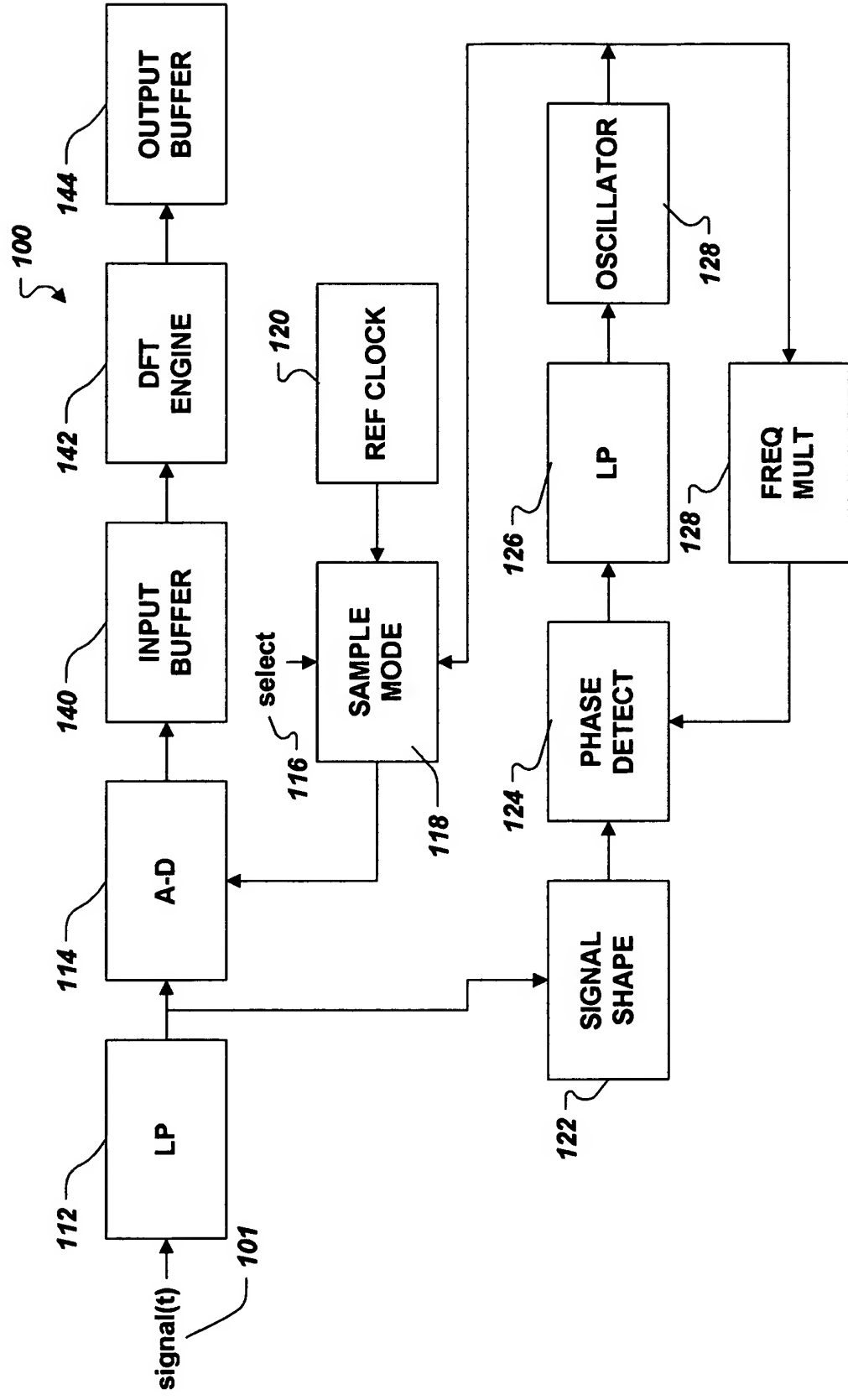


FIG. 10

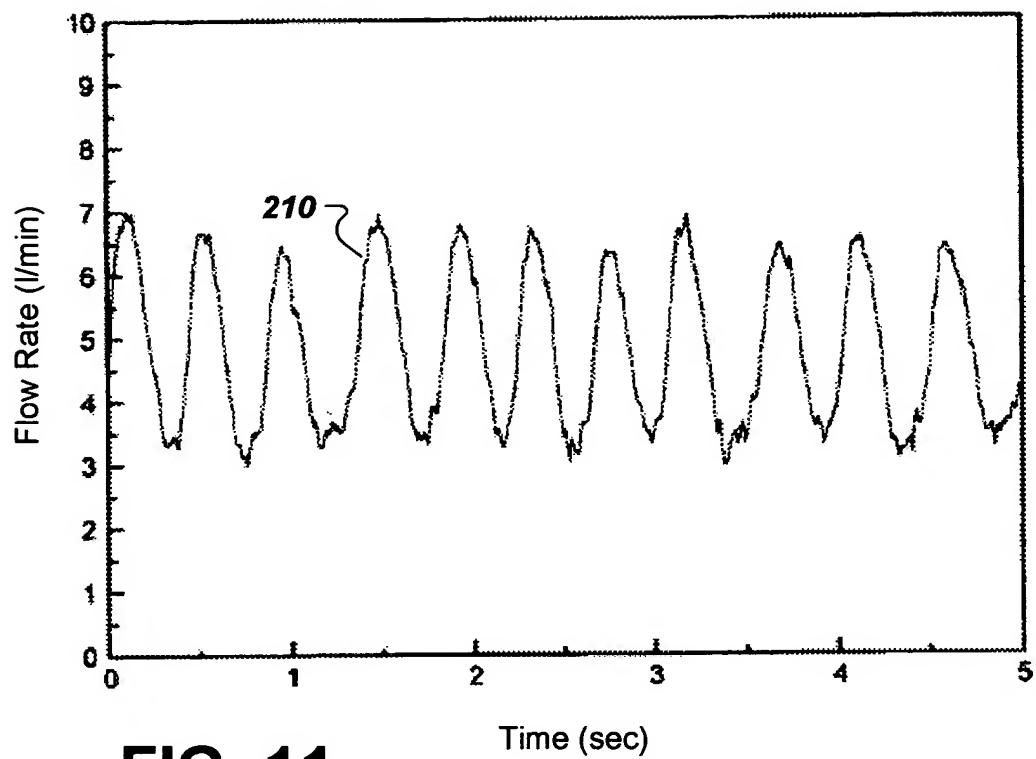


FIG. 11

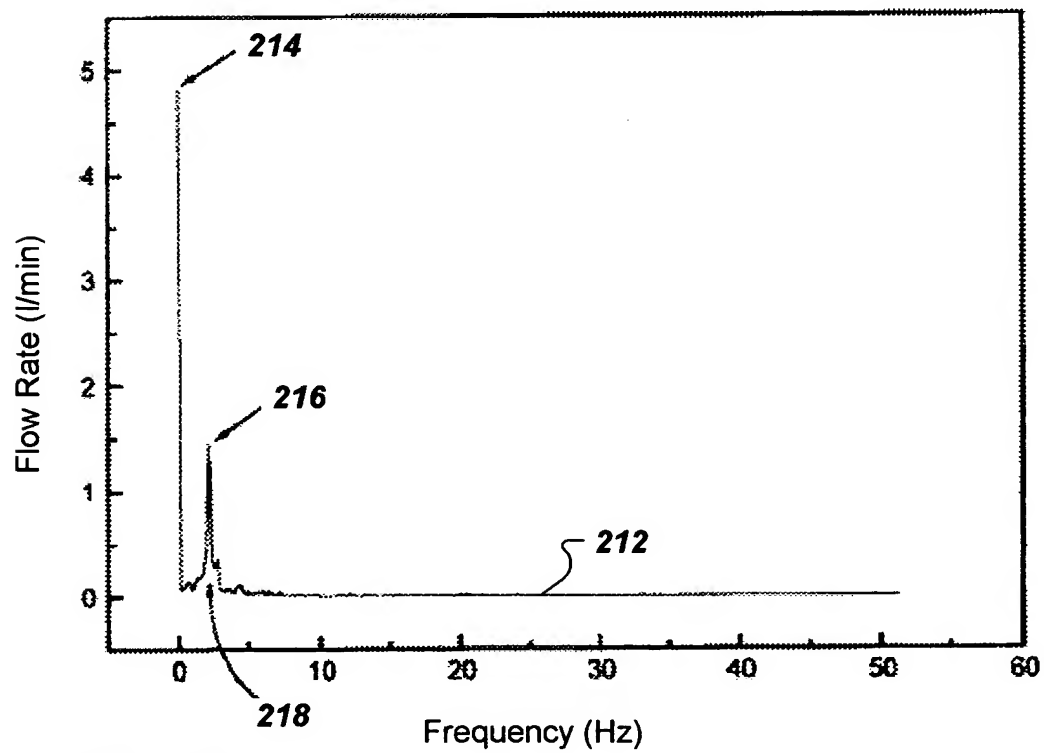


FIG. 12

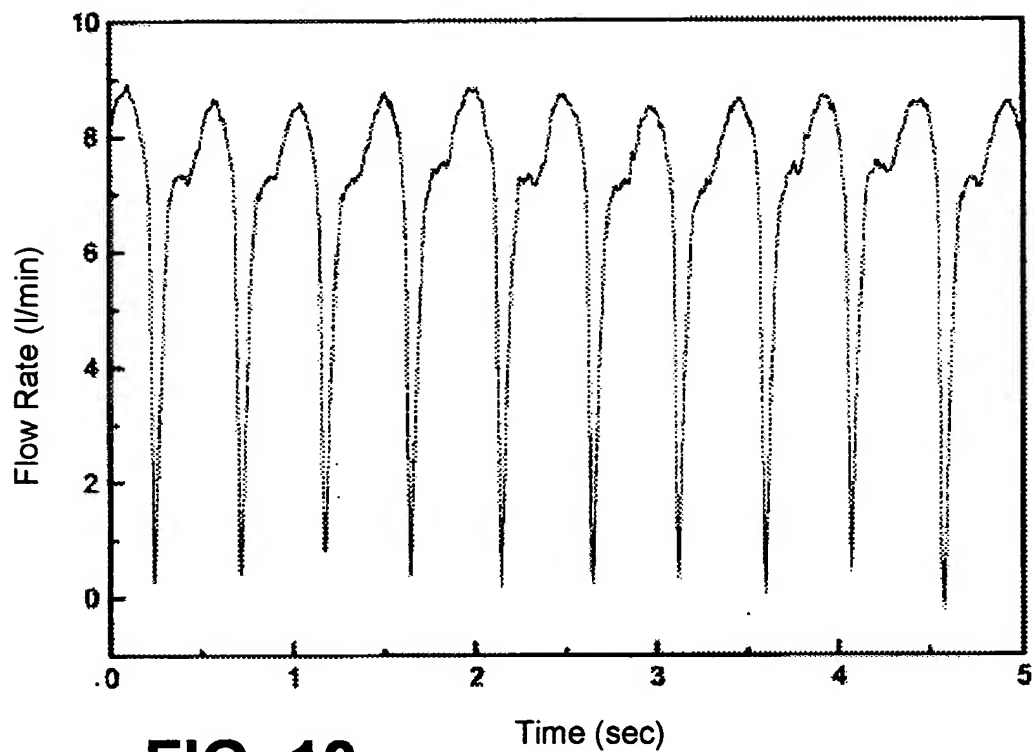


FIG. 13

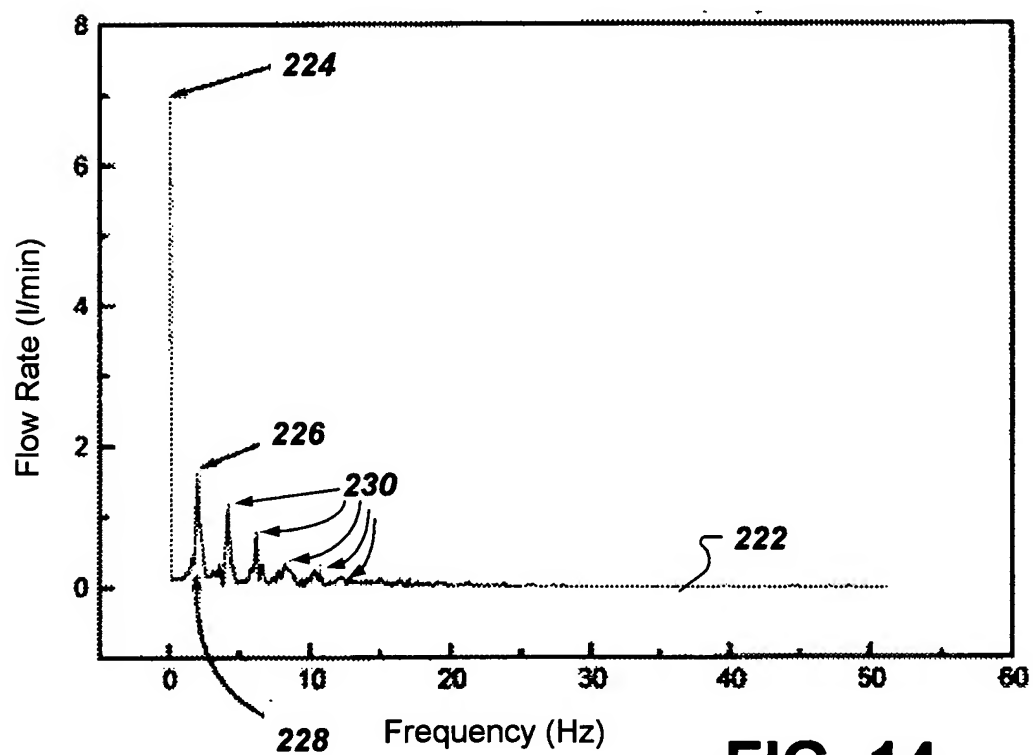
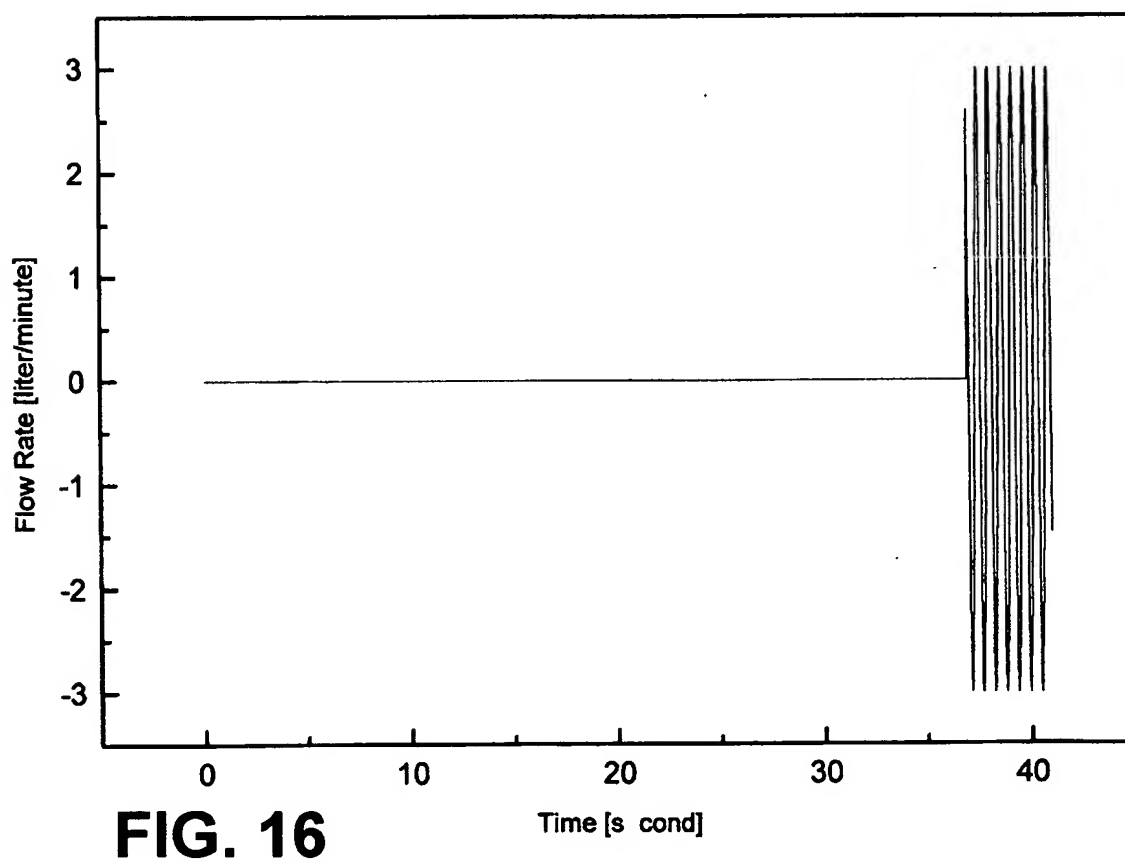
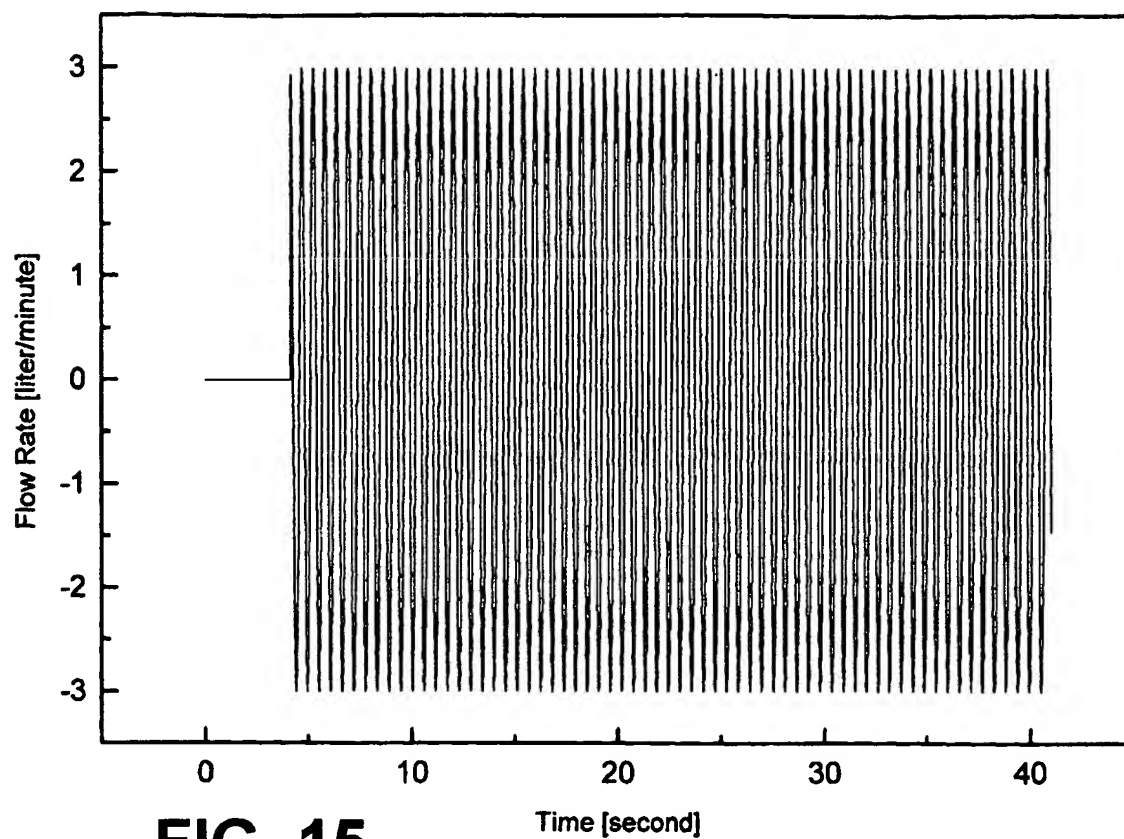


FIG. 14



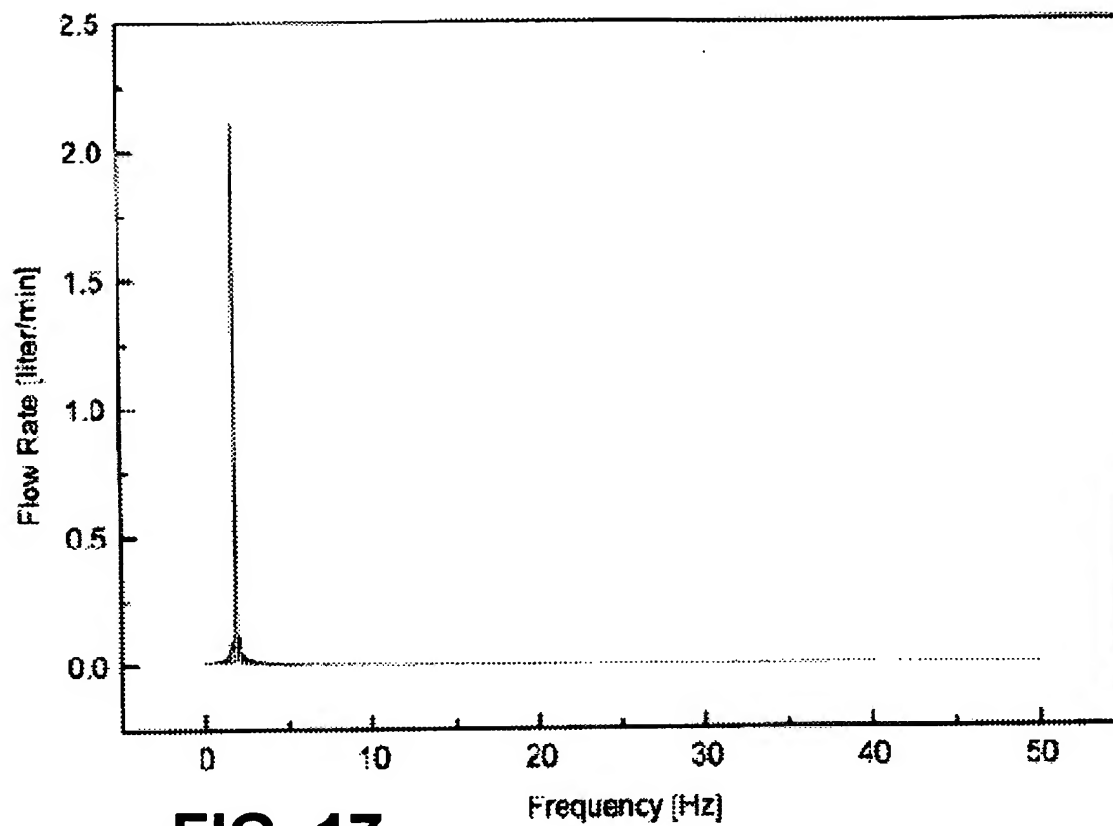


FIG. 17

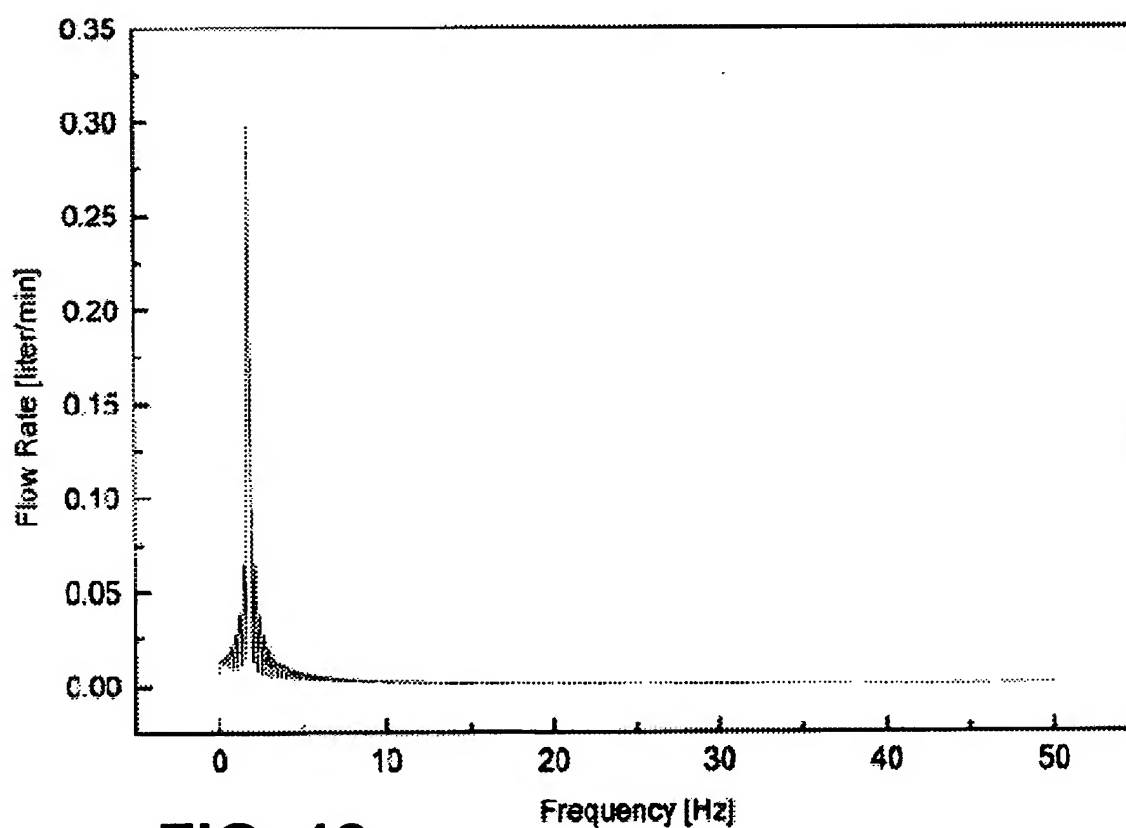


FIG. 18